<u>WHAT IS CLAIMED IS:</u>

1.   A gateway card that is connected to an information processor and that receives and transmits data between different networks, the gateway card comprising:

5   a receiving unit that receives from a remote control device remote control data to be set to an apparatus to be remote controlled and a remote control request;

        a data setting unit that makes the information processor set the remote control data to the apparatus to be remote controlled; and

10   a power control unit that changes a power mode of the information processor from a power-saving mode to a normal power mode when the receiving unit receives the remote control request, and changes the power mode from the normal power mode to the power-saving mode when the setting of in the remote control data to

15   apparatus to be remote controlled is complete.

2.   The gateway card according to claim 1, further comprising an e-mail unit that receives a completion e-mail, which indicates that the setting of in the remote control data to apparatus to be remote

20   controlled is complete, from the information processor, and that transmits the completion e-mail to the remote control device, whereby an operator of the remote control device knows that the setting of in the remote control data to apparatus to be remote controlled is complete.

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3.   The gateway card according to claim 1, wherein the data setting unit identifies one apparatus to be remote controlled from among a plurality of apparatuses from information contained in the remote control data, and makes the information processor set the remote

5   control data to the identified apparatus.

4.   A gateway control method applied to a gateway card that is connected to an information processor and that receives and transmits data between different networks, the gateway control method

10   comprising:

receiving from a remote control device remote control data to be set to an apparatus to be remote controlled and a remote control request;

shifting a power mode of the information processor from a

15   power-saving mode to a normal power mode upon reception of the remote control request;

making the information processor set the remote control data to the apparatus to be remote controlled; and

shifting the power mode of the information processor from the

20   normal power mode to the power-saving mode, when the setting of in the remote control data to apparatus to be remote controlled is complete.

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5.   The gateway control method according to claim 4, further comprising receiving a completion e-mail, which indicates that the setting of in the remote control data to apparatus to be remote controlled is complete, from the information processor, and transmitting

5   the completion e-mail to the remote control device, whereby an operator of the remote control device knows that the setting of in the remote control data to apparatus to be remote controlled is complete.

6.   The gateway control method according to claim 4, further

10   comprising identifying one apparatus to be remote controlled from among a plurality of apparatuses from information contained in the remote control data, and making the information processor set the remote control data to the identified apparatus.

15   7.   A computer program that is applied to a gateway card that is connected to an information processor and that receives and transmits data between different networks, the computer program making a computer execute:

receiving from a remote control device remote control data to be

20   set to an apparatus to be remote controlled and a remote control request;

shifting a power mode of the information processor from a power-saving mode to a normal power mode upon reception of the remote control request;

25   making the information processor set the remote control data to

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the apparatus to be remote controlled; and

shifting the power mode of the information processor from the normal power mode to the power-saving mode, when the setting of in the remote control data to apparatus to be remote controlled is

5 complete.

8. The computer program according to claim 7, further making the computer execute receiving a completion e-mail, which indicates that the setting of in the remote control data to apparatus to be remote
10 controlled is complete, from the information processor, and transmitting the completion e-mail to the remote control device, whereby an operator of the remote control device knows that the setting of in the remote control data to apparatus to be remote controlled is complete.

15 9. The computer program according to claim 7, further making the computer execute identifying one apparatus to be remote controlled from among a plurality of apparatuses from information contained in the remote control data, and making the information processor set the remote control data to the identified apparatus.

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10. A gateway apparatus having an information processor and a gateway section that is connected to the information processor and that receives and transmits data between different networks, wherein

the gateway section includes

25 a receiving unit that receives from a remote control

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device remote control data to be set to an apparatus to be remote controlled and a remote control request;

a returning unit that issues a return notification to return a power mode of the information processor from a power-saving mode

5   to a normal power mode when the receiving unit receives the remote control request;

a data setting unit that makes the information processor set the remote control data to the apparatus to be remote controlled; and

10   a changing unit that issues a shift notification to change the power mode of the information processor from the normal power mode to the power-saving mode when the setting of in the remote control data to apparatus to be remote controlled is complete, and

the information processor includes a power control unit that

15   returns the power mode of the information processor from the power-saving mode to the normal power mode based on the return notification, and changes the power mode of the information processor from the normal power mode to the power-saving mode based on the shift notification.

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11.   The gateway apparatus according to claim 10, further comprising an e-mail unit that receives a completion e-mail, which indicates that the setting of in the remote control data to apparatus to be remote controlled is complete, from the information processor, and

25   that transmits the completion e-mail to the remote control device,

whereby an operator of the remote control device knows that the setting of in the remote control data to apparatus to be remote controlled is complete.

5   12.   The gateway apparatus according to claim 10, wherein the data setting unit identifies one apparatus to be remote controlled from among a plurality of apparatuses based on the remote control data, and makes the information processor set the remote control data to the identified apparatus.

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13.   A gateway control method applied to a gateway apparatus that has an information processor and a gateway section that is connected to the information processor and that receives and transmits data between different networks, wherein

15   the gateway section executes

receiving from a remote control device remote control data to be set to an apparatus to be remote controlled and a remote control request;

issuing a return notification to return a power mode of

20   the information processor from a power-saving mode to a normal power mode when the remote control request is received;

making the information processor set the remote control data to the apparatus to be remote controlled; and

issuing a shift notification to change the power mode of

25   the information processor from the normal power mode to the

power-saving mode, when the setting of in the remote control data to apparatus to be remote controlled is complete, and

the information processor executes returning the power mode of the information processor from the power-saving mode to the normal

5   power mode based on the return notification, and changing the power mode of the information processor from the normal power mode to the power-saving mode based on the shift notification.

14.   The gateway control method according to claim 13, further

10   comprising receiving a completion e-mail, which indicates that the setting of in the remote control data to apparatus to be remote controlled is complete, from the information processor, and transmitting the completion e-mail to the remote control device, whereby an operator of the remote control device knows that the setting of in the remote

15   control data to apparatus to be remote controlled is complete.

15.   The gateway control method according to claim 13, further comprising identifying one apparatus to be remote controlled from among a plurality of apparatuses from information contained in the

20   remote control data, and making the information processor set the remote control data to the identified apparatus.

16.   A computer program applied to a gateway apparatus that has an information processor and a gateway section that is connected to the

25   information processor and that receives and transmits data between

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different networks, wherein the computer program makes

the gateway section execute

receiving from a remote control device remote control

data to be set to an apparatus to be remote controlled and a remote

5   control request;

issuing a return notification to return a power mode of

the information processor from a power-saving mode to a normal power

mode when the remote control request is received;

making the information processor set the remote control

10   data to the apparatus to be remote controlled; and

issuing a shift notification to change the power mode of

the information processor from the normal power mode to the

power-saving mode, when the setting of in the remote control data to

apparatus to be remote controlled is complete, and

15   the information processor execute returning the power mode of

the information processor from the power-saving mode to the normal

power mode based on the return notification, and changing the power

mode of the information processor from the normal power mode to the

power-saving mode based on the shift notification.

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17.   The computer program according to claim 16, further making the

computer execute receiving a completion e-mail, which indicates that

the setting of in the remote control data to apparatus to be remote

controlled is complete, from the information processor, and transmitting

25   the completion e-mail to the remote control device, whereby an operator

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of the remote control device knows that the setting of in the remote control data to apparatus to be remote controlled is complete.

18. The computer program according to claim 16, further making the computer execute identifying one apparatus to be remote controlled from among a plurality of apparatuses from information contained in the remote control data, and making the information processor set the remote control data to the identified apparatus.